

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: October 12, 2002, 13:02:35 : Search time 40 Seconds
(without alignments)
2394.927 Million cell updates/sec

Title: US-09-818-954A-2

Perfect score: 390
Sequence: 1 atgaagctgcattcctctt.....ccacgagctgagaccatc 390

Scoring table: IDENTITY-NUC
Gapop 10.0 , Gapext 1.0

Searched: 38533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066.

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA: *
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PCNUS_COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
C 1	48.8	12.5	681	4	US-08-918-288-31
C 2	48.8	12.5	681	4	US-09-282-357-31
C 3	48.8	12.5	693	4	US-08-918-288-28
C 4	48.8	12.5	693	4	US-09-282-357-28
C 5	48.8	12.5	702	4	US-08-918-288-13
C 6	48.8	12.5	702	4	US-09-282-357-13
C 7	48.8	12.5	707	4	US-08-918-288-29
C 8	48.8	12.5	707	4	US-09-282-357-29
C 9	48.8	12.5	719	4	US-08-918-288-26
C 10	48.8	12.5	719	4	US-09-282-357-26
C 11	48.8	12.5	728	4	US-08-918-288-11
C 12	48.8	12.5	728	4	US-09-282-357-11
C 13	48.8	12.5	1006	1	US-08-239-256-1
C 14	46.4	11.9	718	4	US-08-918-288-10
C 15	46.4	11.9	718	4	US-09-282-357-10
C 16	46.4	11.9	744	4	US-08-918-288-8
C 17	46.4	11.9	744	4	US-09-282-357-8
C 18	45	11.5	726	4	US-08-918-288-16
C 19	45	11.5	726	4	US-09-282-357-16
C 20	45	11.5	752	4	US-08-918-288-14
C 21	45	11.5	752	4	US-09-282-357-14
C 22	43.2	11.1	549	4	US-08-918-288-37
C 23	43.2	11.1	549	4	US-09-282-357-37
C 24	43.2	11.1	575	4	US-08-918-288-35
C 25	43.2	11.1	575	4	US-09-282-357-35
C 26	43.2	11.1	717	4	US-08-918-288-7
C 27	43.2	11.1	717	4	US-09-282-357-7

28	43.2	11.1	743	4	US-08-918-288-5	Sequence 5, Appl1
29	43.2	11.1	743	4	US-09-282-357-5	Sequence 5, Appl1
C 30	43.2	11.1	834	4	US-08-918-288-4	Sequence 4, Appl1
C 31	43.2	11.1	834	4	US-09-282-357-4	Sequence 4, Appl1
C 32	43.2	11.1	835	4	US-08-918-288-40	Sequence 40, Appl1
C 33	43.2	11.1	835	4	US-09-282-357-40	Sequence 40, Appl1
C 34	43.2	11.1	836	4	US-08-918-288-2	Sequence 2, Appl1
35	43.2	11.1	836	4	US-09-282-357-2	Sequence 2, Appl1
36	43.2	11.1	837	4	US-08-918-288-38	Sequence 38, Appl1
37	43.2	11.1	837	4	US-09-282-357-38	Sequence 38, Appl1
38	43.2	11.1	893	4	US-09-142-320-3	Sequence 3, Appl1
39	43.2	11.1	893	4	US-09-142-320-5	Sequence 5, Appl1
40	43.2	11.1	893	4	US-09-142-320-6	Sequence 6, Appl1
41	43.2	11.1	893	4	US-09-142-320-7	Sequence 7, Appl1
42	43.2	11.1	893	4	US-09-142-320-8	Sequence 8, Appl1
43	43.2	11.1	893	4	US-09-142-320-9	Sequence 9, Appl1
44	43.2	11.1	893	4	US-09-142-320-10	Sequence 10, Appl1
45	43.2	11.1	1301	4	US-08-804-166-7	Sequence 7, Appl1

ALIGNMENTS

RESULT 1
US-08-918-288-31/c
; Sequence 31, Application US/08918288
; Patent No. 6238890
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESS: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,288
; FILING DATE:
; CLASSIFICATION:
; APPLICATION NUMBER: 09/282,357
; FILING DATE:
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 681 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-918-288-31
Query Match 12.5%; Score 48.8; DB 4; Length 681;

	Best Local Similarity	60.6%	Pred. No. 3.8e-05	
	Matches	80; Conservative	0; Mismatches	52; Indels
				0; Gaps
QY	250	TGTACTACAAAGAGACAAACAGGTGACTGTCACAGCTGCCCACTGTGTCCCGGAGATC	309	
Db	471	TGTACTCTCAAGGAAGTGTATATATAACAGTGAGAGTGTCCCGGTGTCTCAACATGCA	412	
QY	310	GACCCCTTCAACACTATTCGCTGGCCATCCGCTGTGACTGCGGAGCCGTTCACATGCC	369	
Db	411	GATTCCTTGTATACATACCCAGTGGCCACCCAGTGTCACTGTGGCAAGTGTACACAGCAG	352	
QY	370	ACCACGAGTGT	381	
Db	351	AGCACTGATTTG	340	

RESULT 2

Sequence 31 Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282.357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918.288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853.524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199.382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kale H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 681 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

Query Match	12.5%	Score 48.8;	DB 4;	Length 681;
Best Local Similarity	60.6%;	Pred. No. 3.8e-05;		
Matches 80;	Conservative 0;	Mismatches 52;	Indels 0;	Gaps 0

QY 250 TGTACTACAAGACGACCMAACAGGTACTGTCAAGCTGCCAACGTGTGCCCGGGAGTC 309
||||| ||| | | | | | | |
Db 471 TGTACTTCAAGAACTGGTATATGAACAGTAGAGTGCCCGGCTGTGCTCACCATTGCA 412

[illegible]

RESULT 3

```

: Sequence 28, Application US/08918288
: Patent No. 6238890
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTER
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/918,288
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/282,357
: FILING DATE:
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Mutsaers, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 28:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 693 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: US-08-918-288-28

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Query Match	12.5%	Score 48.8;	DB 4;	Length 693;
Best Local Similarity	60.6%;	Pred. No. 3.8e-05;		
Matches	80;	Conservative	0;	Mismatches 52;
			Indels	0;
			Gaps	0;

[illegible]

Qy	370	ACCACGGATGT	381
Db	363	AGCACTGATGT	352

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RESULT 4
US-09-282-357-28/c
; Sequence 28, Application US/09282357
; Patent No. 6242580
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/282,357
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/918,288
; FILING DATE: 25 AUG-1997
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 693 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-09-282-357-28

Query Match          12.5%; Score 48.8; DB 4; Length 693;
Best Local Similarity 60.6%; Pred. No. 3.8e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

OY 250 TGTACTTCAAGCAGCAAGAGTGTGCTCAAGTGCCTGCGCCAGCCCGGCGAGTGC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 483 TGTACTTCAAGCAGCAAGTGTGCTATGAAACAGTGAAGTGCCTGCTGCATCATGCA 424
OY 310 GACCCCTTCTACACCTATCCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 369
    || |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 423 GATTCCTTGTATACATACCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 364
OY 370 ACCACGAGTGT 381
    || ||| ||| |||
DB 363 AGCACTGATGTGT 352

RESULT 5
US-08-918-288-13/c
; Sequence 13, Application US/08918288
; Patent No. 6238890
; GENERAL INFORMATION:
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; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,288
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/282,357
; FILING DATE:
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 702 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-08-918-288-13

Query Match          12.5%; Score 48.8; DB 4; Length 702;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

OY 250 TGTACTTCAAGCAGCAAGAGTGTGCTCAAGTGCCTGCGCCAGCCCGGCGAGTGC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 492 TGTACTTCAAGCAGCAAGTGTGCTATGAAACAGTGAAGTGCCTGCTGCATCATGCA 433
OY 310 GACCCCTTCTACACCTATCCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 369
    || |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 432 GATTCCTTGTATACATACCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 373
OY 370 ACCACGAGTGT 381
    || ||| ||| |||
DB 372 AGCACTGATGTGT 361

RESULT 6
US-09-282-357-13/c
; Sequence 13, Application US/09282357
; Patent No. 6242580
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
```

```

: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/282,357
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/918,288
: FILING DATE: 25 AUG-1997
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 13:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 702 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: US-09-282-357-13

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Query Match          12.5%; Score 48.8; DB 4; Length 702;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

```

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QY 250 TGTACTACACGACGACCAACAGGTGACTGTCAAGCTGCCCAACTGTGCCCGGGAGTC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 492 TGTACTCTCAAGAGACTGTATATGAACAGTAGAGTGGCCGCGTGTCTACACATGCA 433
QY 310 GACCCCTTCTACACTATCCGCTGGCCATCCGCTGTGACTGCGAGCGCTCTCCACTGCC 369
    || |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 432 GATTCTTGTATACATACCAAGTGGCCACCCAGTGTCTGTGGCAAGTGTGACAGCGAC 373
QY 370 ACCACGAGTGT 381
    || ||| ||| |||
DB 372 AGCAGTGATTGT 361

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```

RESULT 7
US-08-918-288-29
: Sequence 29, Application US/08918288
: Patent No. 6238890
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette

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: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/918,288
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/282,357
: FILING DATE:
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 29:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 707 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 33...698
: OTHER INFORMATION:
: US-08-918-288-29

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Query Match          12.5%; Score 48.8; DB 4; Length 707;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

```

```

QY 250 TGTACTACACGACGACCAACAGGTGACTGTCAAGCTGCCCAACTGTGCCCGGGAGTC 309
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 237 TGTACTCTCAAGAGACTGTATATGAACAGTAGAGTGGCCGCGTGTCTACACATGCA 296
QY 310 GACCCCTTCTACACTATCCGCTGGCCATCCGCTGTGACTGCGAGCGCTCTCCACTGCC 369
    || |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 297 GATTCTTGTATACATACCAAGTGGCCACCCAGTGTCTGTGGCAAGTGTGACAGCGAC 356
QY 370 ACCACGAGTGT 381
    || ||| ||| |||
DB 357 AGCAGTGATTGT 368

```

```

RESULT 8
US-09-282-357-29
: Sequence 29, Application US/09282357
: Patent No. 6242380
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0

```

```

: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/282,357
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/918,288
: FILING DATE: 25 AUG-1997
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 29:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 707 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 33...698
: OTHER INFORMATION:
: US-09-282-357-29

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```

Query Match 12.5%; Score 48.8; DB 4; Length 707;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
QY 250 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGCCCCGGAGTGC 309
Db 237 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGCCCCGGAGTGC 296
QY 310 GACCCCTTCTACACCTATCCGTCGCGCTGTGACTGGGAGCCTGCTCCACTGCC 369
Db 297 GATTCCTTGTATACATACCAAGTGGCCAGTGTGACTGGGAGCCTGCTCCACTGCC 356
QY 370 ACCACGAGTGT 381
Db 357 AGCACTGATTGT 368

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RESULT 9
US-08-918-288-26
: Sequence 26, Application US/08918288
: Patent No. 6238890
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/918,288
: FILING DATE:

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: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/282,357
: FILING DATE:
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-20050.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 26:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 719 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 33...700
: OTHER INFORMATION:
: US-08-918-288-26

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Query Match 12.5%; Score 48.8; DB 4; Length 719;
Best Local Similarity 60.6%; Pred. No. 3.9e-05;
Matches 80; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
QY 250 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGCCCCGGAGTGC 309
Db 237 TGTACTACACGAGACCAACAGGTGATGTCAGCTGCCCACTGCCCCGGAGTGC 296
QY 310 GACCCCTTCTACACCTATCCGTCGCGCTGTGACTGGGAGCCTGCTCCACTGCC 369
Db 297 GATTCCTTGTATACATACCAAGTGGCCAGTGTGACTGGGAGCCTGCTCCACTGCC 356
QY 370 ACCACGAGTGT 381
Db 357 AGCACTGATTGT 368

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RESULT 10
US-09-282-357-26
: Sequence 26, Application US/09282357
: Patent No. 6242580
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/282,357
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/918,288

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QY	250	TGTACTCAACAGAGACCAACAGGCTGACTGTCCAAGCTGCCCACTGTGCCCCGGGAGTTC	309
Db	237	TGTACTCTCAAGGAACTGGTATATGAACAGTGAAGTGTCCCGGCTGTCTCAACCATGCA	296
QY	310	GACCCCTCTCAACCTATGCCGTGGCCATCCGCTGTGACTGGCGAACCCTCCACATGCC	369
Db	257	GATTCCTTGTACTATACCACTGGCCACCCCACTGTCACTGTGGCAAGTGTGACACGGAC	356
QY	370	ACCACGAGGTG 381	
Db	357	AGCACTGATGTG 368	

Patient No. 56242580
 GENERAL INFORMATION:
 APPLICANT: BOIME, Irving
 APPLICANT: MOYLE, William R.
 TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
 TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
 NUMBER OF SEQUENCES: 83
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 2000 Pennsylvania Avenue, NW, suite 5500
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1888
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/282,357
 FILING DATE:
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/918,288
 FILING DATE: 25 AUG-1997
 APPLICATION NUMBER: 08/853,524
 FILING DATE: 09-MAY-1997
 APPLICATION NUMBER: 08/199,382
 FILING DATE: 18-FEB-1994
 ATTORNEY/AGENT INFORMATION:

```

; LENGTH: 1006 base pairs
; TYPE: nucleic acid

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SEQUENCE CHARACTERISTICS:

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; LENGTH: 718 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-918-288-10

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Query Match	11.9%	Score 46.4	DB 4	Length 718
Best Local Similarity	49.2%	Pred. No. 0.00019		
Matches 122; Conservative	0	Mismatches 126	Indels 0	Gaps 0

Accession	Sequence	Position
QY	137 AGAAGCCAGCGCTGGAGAGGGGCTTCGGAATACACACGAGTACGCTGCTGGGGTGGCTGAGA	196
Db	596 AGAAGAGAGGCGTGGCCCGCTGTGCATCAACCGTCAACACACCATCTGTGGCGGCTACTGCC	537
QY	197 CCTGGAGAAACCAATCTGSAACCCCTCTAATTAATTAAGAGCCATCAATGAGTCTTGA	256
Db	536 CCACCATGATGCGGGTGTGTGAGCGCGGTCTCGCCGCCCTGTCCCTCAAGTGGTGGACCT	477
QY	257 ACAAGGACACCAAAAGGTGACTGTCAAGCTGCCCACTGTGGCCCGGGAGTGGACCCCT	316
Db	476 ACCGTGATGTCCGCTTCGAGTCATCTCGGGCTCCCTGGCTGTGCCGCTGGGGTGGACCCCG	417
QY	317 TCTACACCTATCCGCTGGCCATCCGCTGTGACTGTGACCTGGAGAGCCCTGCTCCATGACCAACGAG	376
Db	416 TGTGCTCTCTCCCTGTGTGCTCTCAAGCTGTGCTGTGGACCCCTGCGCGGACGACACCTCTG	357
QY	377 AGTGTGAG	384
Db	356 ACTGTGG	349

RESULT 15
US-09-282-357-10/c
; Sequence 10, Application US/09282357

; GENERAL INFORMATION:

APPLICANT: BOIME, Irving
 APPLICANT: MOYLE, William R.
 TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
 TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
 NUMBER OF SEQUENCES: 83
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 2000 Pennsylvania Avenue, NW, suite 5500
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1888
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: PASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/282.357

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; SEQUENCE CHARACTERISTICS:
;     LENGTH: 718 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: double
;     TOPOLOGY: linear
US-09-282-357-10

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Query Match	11.9%	Score 46.4;	DB 4;	Length 718;
Best Local Similarity	49.2%;	Pred. No. 0.00039;		
Matches 122;	Conservative 0;	Mismatches 126;	Indels 0;	Gaps 0;

Oy	137	AGAAAGCCAGGCTGCAGAGGGCCCTTGGATTCACACAGGATGCGCTGGGGGCGCTGTGAGA	156
Db	596	AGAAAGAGGGGTGCCCGCTGTGCATCAACCGTCACACACACATCTGTATGCCGGGTACTGCC	5377
Oy	197	CCTGGGAGAAACCCATTCGTGAGAACCCCCCTATATTGAAGCCCATCATGCACTCTGTACCT	256
Db	536	CCACCATTATATCGGGTGTGTGAGCGGTCGTCGCCCTGCTCCCTCAGAGTGGTGTGCACCT	4777
Oy	257	ACAAGGAGACCAAMCAGGTGACTGTCAAGCTGCCCACTGTGCCCGGGAGTGCACCCCT	316
Db	476	ACCGTAGTGTGCGCTTGAGTCATCCGGGCTCCCTGGCTGCCCGCGGTGGGTGACCCCG	4177
Oy	317	TCTACACCTATCCGTCGCCATCCGCTGTACTGACGGAGGAGCTGCTCCACTGCCACCAAGG	376
Db	416	TGCTCTCCCTCCCTGCTGTGCTCTACGCTGTGCTGTGAGACCTGCCGCCGACGACACTCTG	357
Oy	377	AGTGTGAG 384	
Db	356	ACTGTGG 349	

Search completed: October 12, 2002, 13:33:34
Job time : 43 secs